

# Converting Colors

CIELCh(70, 81.939, 131.128)

Have a look what the booklet for  
CIELCh(70, 81.939, 131.128)  
contains.

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**Color**

**CIELCh(70, 82.090, 131.147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EC12A
RGB	94, 193, 42
RGB Percent	37%, 76%, 16%
CMY	0.6309, 0.2426, 0.8347
CMYK	0.51, 0.00, 0.78, 0.24
HSL	99°, 64%, 46%
HSV	99°, 78%, 76%
XYZ	24.1474, 40.7494, 8.7967
YIQ	146.1850, -10.5330, -67.9490

# Conversions

## Conversions Part 2

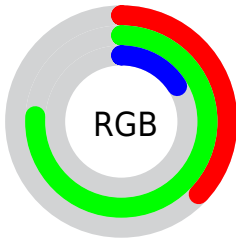
Format	Color
<b>RYB</b>	42, 193, 141
Decimal	6209834
CIELab	70.00, -54.01, 61.82
CIELCh	70, 82.090, 131.147
Yxy	40.7494, 0.3277, 0.5530
Android (android.graphics.Color)	4284399914 (0xFF5EC12A)
YUV	146.1850, -51.3632, -45.7662
Hunter-Lab	63.8353, -44.1894, 36.5144

# Details

The CIELCh color **70, 82.090, 131.147** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **40, 87.060, 316.901**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 81.752, 131.161**, and **50, 74.647, 134.812** is the 20% darker color. If you saturate the color by 10%, you get **69, 88.108, 131.464**, and if you desaturate by 10%, it is **71, 74.165, 131.213**.

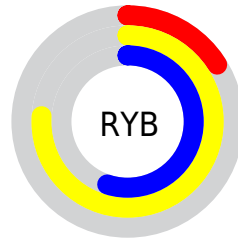
# Distribution



Red (37%)

Green (76%)

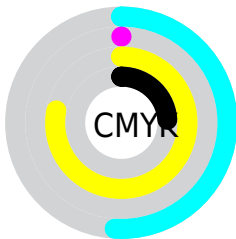
Blue (16%)



Red (16%)

Yellow (76%)

Blue (55%)

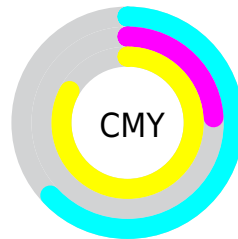


Cyan (51%)

Magenta (0%)

Yellow (78%)

Black (24%)



Cyan (63%)

Magenta (24%)


Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 82.090, 131.147 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 70, 82.090, 131.147 by changing the saturation by 10% instead.





 70, 82.090,  
131.147

 70, 82.090,  
131.147


 100, 82.090,  
131.147


 60, 82.090,  
131.147


 90, 82.090,  
131.147

 50, 82.090,  
131.147

 40, 82.090,  
131.147

 30, 82.090,  
131.147

 20, 82.090,  
131.147

 10, 82.090,  
131.147

 0, 82.090, 131.147

70, 82.090,  
131.147

70, 82.090,  
131.147

69, 88.108,  
131.464

71, 74.165,  
131.213

69, 92.052,  
132.188

71, 64.811,  
131.531

69, 92.675,  
132.314

72, 54.485,  
131.989

73, 43.548,  
132.504

74, 32.261,  
133.025

76, 20.811,  
133.524

77, 9.331, 133.991

78, 2.084, 314.309

■ 80, 13.366,  
314.742

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70, 82.090, 131.147



40, 87.060, 316.901

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 82.090, 131.147



70, 82.090, 181.147



70, 82.090, 311.147



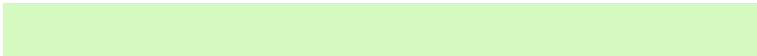
70, 82.090, 1.147

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70, 82.090, 131.148



94, 32.479, 133.269



62, 57.832, 78.744



50, 22.470, 133.085



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 82.090, 131.148



87, 110.599, 131.981



69, 81.819, 140.598



40, 6.492, 133.937



58, 80.674, 132.123



10, 22.164, 137.023



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 87.060, 316.901



47, 117.082, 316.245



47, 77.975, 333.736



38, 6.553, 314.686



28, 85.427, 316.111



3, 20.931, 311.304



# Previews

## White Background



This preview shows how the CIELCh color 70, 82.090, 131.147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 70, 82.090, 131.147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

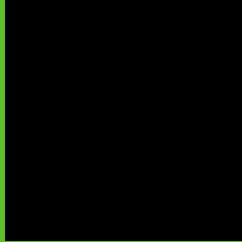
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 70, 82.090, 131.147**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 82.090, 131.147.



This preview shows how white text looks on a background with the CIELCh color 70, 82.090, 131.147.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

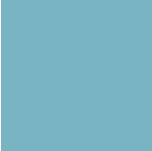


**Original Color**  
70, 82.090, 131.147

**Protanopia**  
69, 65.680, 95.151

**Deuteranopia**  
69, 59.557, 80.953





**Tritanopia**  
70, 20.601, 220.046

# Trichromacy



**Original Color**  
70, 82.090, 131.147



**Protanomaly**  
69, 67.959, 111.675



**Deuteranomaly**  
69, 60.672, 105.255



**Tritanomaly**  
69, 37.058, 154.004

# Monochromacy



**Original Color**  
70, 82.090, 131.147



**Achromatopsia**  
61, 0.008, 296.813



**Achromatomaly**  
63, 33.591, 132.722

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 82.090, 131.147 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 193, 42)` looks like.

```
.text, #text, p{  
    color:rgb(94, 193, 42)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 193, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 193, 42) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 82.090, 131.147 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 193, 42) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(94, 193, 42) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(94, 193, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 193, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 193, 42);  
box-shadow:4px 4px 4px 4px rgb(94, 193,  
42) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 82.090, 131.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 193, 42) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 193,  
42) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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